

# U.S. Department of Energy Sustainability Performance Office DOE Sustainability SPOTlight

Issue 14 October 2012

We want to hear from you! In order to ensure that we continue to be aligned with the sustainability needs of DOE, SPO developed a survey to determine which activities are most useful to you. If you have a moment, please fill out the [survey](#).

## SUSTAINABILITY NEWS

### Creating a Greener Data Center

LBNL received the 2012 Larry R. Sautter Award from the University of California for work that improves the energy efficiency of LBNL's main data center. The data center team also received the LBNL 2012 Director's Award for Exceptional Achievement. Collaborative efforts between research and IT staff resulted in a wireless monitoring application used to track the center's power usage in real time and promote energy-savings adjustments in the center. Numerous publications and countless tours of the data center help promote these energy-saving methods to the public. For more information, read <http://go.usa.gov/YaHw>.

### New Smart Meters at Pantex

DOE/NNSA's Texas nuclear weapons facility has begun installing smart meters to monitor its natural gas and electricity usage. PANTEX is looking to set an example for the rest of the Nuclear Security Enterprise on implementing energy and environmental initiatives. Read more about Pantex's [new meters](#) (PDF).



Pantex employees survey steam plant prior to meter installation.

### Commit to Efficiency

FEMP has unveiled a new Commit to Efficiency Campaign, which seeks to get those involved with Federal purchases to commit to buying energy-efficient products. Those who register for the Campaign will The Campaign aims to save 7 trillion btus by the end of 2013, which will save the Federal Government an estimated \$130 million per year in energy expenses. For more information, visit <http://femp.energy.gov/commit>.



### SUSTAINABILITY SUPERSTAR

Maura Miller is the Metering Program Administrator for Los Alamos National Laboratory. She is responsible for anything and everything when it comes to metered energy and water data. Her technical abilities provide the backbone to a successful, metric oriented sustainability program. She can be reached at [mauram@lanl.gov](mailto:mauram@lanl.gov).

**Send us your champion!**

## GreenGov Symposium and DOE Sustainability Awards

The White House Council on Environmental Quality (CEQ) and Association of Climate Change Officers recently co-sponsored the third annual GreenGov Symposium in Washington, DC. Headline speakers included Lisa Jackson (Administrator, EPA), Jonathan Powers (Federal Environmental Executive), Nancy Sutley (Chair, CEQ), Ray Mabus (Secretary of Navy), and Tom Vilsack (Secretary of Agriculture). Employees from DOE headquarters and sites shared their expertise on a wide range of sustainability topics. Presentations will be made available at: <http://www.greengov2012.org/>

On September 27, DOE held a Sustainability Best Practices workshop and its second annual Sustainability Awards ceremony to coincide with GreenGov. These two events highlighted the many sustainability successes achieved by DOE employees in 2012. Twenty-one Sustainability Awards were won by fourteen DOE sites, with the National Energy Technology Laboratory and Savannah River Site leading with three each. Congratulations to the award winners! The workshop featured presentations by multiple award winners on their successes and how they can be replicated. The presentations can be found on the [Sustainability Sharepoint](#) site.



**DID YOU KNOW?** The White House Council on Environmental Quality is looking to recognize Federal entities within the same region that are working together to meet the energy and sustainability goals and targets in EO 13514. Applications are being accepted through November 16, 2012. For more information, visit <http://go.usa.gov/YjA3>.

## UPCOMING EVENTS AND MILESTONES

### Events

Oct. 2-4: Laboratories for the 21st Century Annual Conference

Oct. 16-17: Federal Utility Partnership Working Group

Oct. 17-20: 10th Annual Green Roof & Wall Conference

Nov. 14-16: 2012 Greenbuild International Conference & Expo

Dec. 7: SSP and CEDR due to SPO

Every Wednesday through Nov 21: SPO open Q&A call-in for SSP & CEDR

### Courses

Oct. 9: EPA Seminar on International Remediation

Oct. 18-19: Advanced UESC Workshop

Oct. 24: HPSB Principles Workshop

Oct. 25: Introduction to UESC Webinar

Nov. 1-2: Advanced UESC Workshop

## SUCCESS STORIES

### LANL Water Recycling

In an effort to process, treat and recycle up to 300,000 gallons of wastewater per day, LANL launched operations at the new expansion of the Sanitary Effluent Reclamation Facility (SERF) with a ribbon cutting ceremony in August.

Each year, LANL produces more than a hundred million gallons of effluent from LANL's sanitary wastewater treatment plant. Instead of discharging into the environment, the plant pipes the water to the SERF, which treats and reuses it in cooling towers to cool the Strategic Computing Complex. For more info, check NNSA's blog: <http://go.usa.gov/Ya7P>.



An operator installs a new microfilter at the SERF.

### Cool Roofs

DOE and the National Archives were recently featured in an article highlighting the benefits of cool roofs. Since Secretary Chu's 2010 memo on cool roofs, approximately 160 new cool roofs have been installed at DOE sites. Cool roofs are comparable in cost to conventional roofs, and can save significant amounts of energy and money by reducing heating and cooling requirements. For more info, view the [article](#).

### Portsmouth Steam Boiler Replacement

The Portsmouth Gaseous Diffusion Plant recently installed two steam boilers as part of a new natural gas-fired steam plant. The new natural gas boilers are more efficient and produce less pollution than the old coal-fired system, which served the site for nearly 60 years. The new plant went online in early October, and could save Portsmouth more than \$2 million in the first year of the operation. For more info, see EM's monthly newsletter: <http://go.usa.gov/Ya7k> (PDF).



Workers at Portsmouth install two new natural gas fired boilers.

## ON-DEMAND TRAINING

### Financing

ESPCs for Small Sites

UESCs and Energy Project Funds

### Buildings

Commissioning for Federal Facilities

Operations, Maintenance, and Commissioning

Implementing Deep Retrofits

### Water

Water Efficiency Planning and Implementation

### Data Centers

Data Center Efficiency to ASHRAE Thermal Guidelines

Labs, Data Centers and High-Tech Facilities

### Greenhouse Gas Reporting

Federal GHG Accounting and Reporting

### Sustainable Acquisition

Energy-Efficient Product Procurement

OFEE's Green Purchasing Training

Do you need help with a renewable project? Want to implement renewables at your site, but unsure where to start? SPO has assistance available. For more information, contact Emily Stoddart at [emily.stoddart@hq.doe.gov](mailto:emily.stoddart@hq.doe.gov).



**CALENDAR** – SPO recently launched a new and improved online calendar for key sustainability-related events and trainings. Contact the SPO if you wish to add any relevant events and training. [http://www1.eere.energy.gov/sustainability/events\\_calendar.html](http://www1.eere.energy.gov/sustainability/events_calendar.html)



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